

Continuous Data Protector (CDP) Appliances

DISK BACKUP, REPLICATION, & AUTOMATED RECOVERY

Explosive data growth, server virtualization, and an increased dependence on data availability present challenges for small-to-medium businesses (SMB). In addition, the demand for ongoing services is compounded by shrinking budgets and complexities caused by an increase in remote offices and mobile users. The FalconStor® Continuous Data Protector (CDP) Appliance is an innovative, scalable disk-based backup solution that solves these challenges, enabling local and remote recovery in physical and virtual server environments. It provides a comprehensive set of features, including mirroring, application-consistent snapshots, journaling, WAN-optimized replication, and automated disaster recovery (DR) in an easy-to-use appliance, allowing IT administrators to meet stringent service-level agreements (SLAs). Simple, all-inclusive, capacity-based pricing makes the FalconStor CDP Appliance an cost-effective solution for SMB/ROBO and midmarket organizations.



Highlights

All-inclusive functionality

- Mirroring, snapshots (up to 1,000), journaling, replication
- Enables definition of protection policies

Heterogeneous support

- Physical or virtual servers
- Microsoft Windows, Linux, Unix, Solaris, HP-UX
- iSCSI and Fibre Channel (FC) connectivity

Application-specific snapshot agents

- Eliminates backup corruption
- Supports an extensive list of applications

Preconfigured, scales to 132TB

- Simple, capacity-based pricing
- Scales from 1TB to 132TB per appliance

Disk-based backup

- Eliminates the backup window
- Enables near-zero recovery point objectives (RPO)
- Defines protection policies on individual server, departmental, or global basis

D2D2T backup

- Reduces tape costs
- Provides instant recovery

Automated DR via RecoverTrac™ tool

- Automates complex application recovery and DR testing
- Supports P2P, P2V, and V2V recovery

WAN-optimized replication via MicroScan™ technology

- Reduces bandwidth requirements by up to 95%, lowering costs
- Enables rapid disaster recovery

Specifications: FalconStor CDP Appliances

	CDP SA102	CDP SA306	CDP SA312	CDP SA515	CDP SA516	12TB EXPANSION	24TB EXPANSION
Physical Characteristics							
Form factor: Head	Tower	2U rackmount	2U rackmount	2U rackmount	2U rackmount	—	—
Form factor: Storage	—	—	—	3U rackmount	3U rackmount	3U rackmount	3U rackmount
RAID controllers	Internal	Internal and external				—	—
CPU cores	4	4	4	4	4	—	—
Memory	4GB	8GB	8GB	16GB	16GB	—	—
Hard drives	2 hot-plug	6 hot-plug	6 hot-plug	2 (system) + 15 (data) hot-plug	6 (system) + 15 (data) hot-plug	—	
Disk type	1TB, 7200RPM, 3.5 in SATA	1TB, 7200RPM, 3.5 in SATA	2TB, 7200RPM, 3.5 in SATA	160GB, 7200RPM, 3.5 in SATA (system); 1TB, 7200RPM, 3.5 in SATA (data)	100GB, 2.5 in, SLC SSD (system); 1TB, 7200RPM, 3.5 in SATA (data)	1TB, 7200RPM, 3.5 in SATA	2TB, 7200RPM, 3.5 in SATA
RAID level	1	6	6	1 (system), 6 (data)	5 (system), 6 (data)	—	
Base capacity (usable)	1TB	4TB	8TB	12TB	12TB	12TB	24TB
Power supply: Head	Non-redundant 375W	2 x hot-plug high output 870W	2 x hot-plug high output 870W	2 x hot-plug high output 870W	2 x hot-plug high output 870W	—	—
Power supply (redundant): Storage	—	—	—	2 x hot-plug 478W	2 x hot-plug 478W	—	
Ethernet ports	2 x Gb Ethernet	4 x Gb Ethernet w/ TOE enabled				—	—
Dimensions: Head	17.3 x 8.6 x 20.5 in (44 x 21.8 x 52.1 cm)	3.4 x 17.4 x 26.8 in (8.6 x 44.3 x 66 cm)				—	—
Dimensions: Storage	—	—	—	5.1 x 17.5 x 18.9 in (13.1 x 44.6 x 48 cm)		—	
Weight: Head	51.8 lb (23.5 kg)	57.5 lb (26.1 kg)				—	—
Weight: Storage	—	—	—	78 lb (35.4 kg)		—	
Environmental Requirements							
Power: Head	100-240V, 5.8-2.9A, 50/60Hz	100-240V, 7-3.5A, 50/60Hz				—	—
Power: Storage	—	—	—	100-200V, 7.2-3.6A, 47/63Hz		—	
Head output: Head	1672 BTU/hr	2968 BTU/hr	2968 BTU/hr	2968 BTU/hr	2968 BTU/hr	—	—
Head output: Storage	—	—	—	1430 BTU/hr		—	
Advanced Features							
Application snapshots	Included	Included	Included	Included	Included	—	—
TimeMark® snapshots per LUN	up to 1,000	up to 1,000	up to 1,000	up to 1,000	up to 1,000	—	—
Thin Provisioning	Included	Included	Included	Included	Included	—	—
Synchronous data mirroring	Included	Included	Included	Included	Included	—	—
Data journaling	Included	Included	Included	Included	Included	—	—
Remote replication	Included	Included	Included	Included	Included	—	—
RecoverTrac tool for automated DR	Included	Included	Included	Included	Included	—	—
Email alerts	Included	Included	Included	Included	Included	—	—
Reporting	Included	Included	Included	Included	Included	—	—
Central Client Manager (CCM)	Included	Included	Included	Included	Included	—	—

Corporate Headquarters
United States
tel +1.631.777.5188
salesinfo@falconstor.com

EMEA Headquarters
France
tel +33.1.3923.9550
salesemea@falconstor.com

Asia-Pacific Headquarters
Taiwan
tel +886.4.2259.1868
salesasia@falconstor.com

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www.falconstor.com